

MSU 4.1-588  
Appl. No. 10/659,577  
Amdt. dated May 3, 2007  
Reply to Office Action of March 7, 2007

**AMENDMENTS TO THE ABSTRACT**

Please replace the Abstract on page 38 with the following amended Abstract:

Graphite nanoplatelets and composites and products produced therefrom are described. The graphite is expanded by microwaves or other radiofrequency wave treatment of intercalated graphite for ~~five minutes or less~~ a time up to five minutes so that there is no significant order between the nanoplatelets compared to a precursor graphite. The expanded graphite is then crushed to mostly 1  $\mu\text{m}$  or less. The graphite nanoplatelets are used in polymer composites.